

Arena 4551 SATA II RAID Solution

The RAID makes business continuity realized.

The RAID System setup an important milestone for MaxTronic approaching to critical high-end enterprise demands. Latest 4Gb FC host interface with advanced high performance CPU supports higher data operation rate. Powerful hardware engine, high scalable expansion options and user-friendly management interface make it the best choice for fault tolerance, performance driven solutions.

Product Highlights

- Dual Flash ROM on each controller.
- 4Gb FC host interface
- RAID Levels : JBOD, 0, 1, 3, 5, 6, 10, 30, 50, 60, NRAID
- Support up to 12 SATA II drives
- 2U rackmount, high density design
- No operating downtime and easy maintenance with :
 - Redundant, hot-swappable components
 - Modular architecture design
- User-friendly, web browser-based RAID management interface
- Event notification through e-mail or SNMP trap
- RoHS complied system

FEATURES AND BENEFITS

Extreme Performance

- Advanced 4Gb FC host-transferring-speed with latest RISC CPU which delivers high performance for heavy duty business applications.

Better Firmware Protection

- Dual Flash ROM on-board, embedded flash auto-backup function, supports higher system availability during firmware upgrading or single ROM failure.

Complete Data Protection

- Various RAID Levels : JBOD, 0, 1, 3, 5, 6, 10, 30, 50, 60, or NRAID supported and complete RAID functions fulfill multiple data-redundancy requirements during system operation time.

Flexible Compatibility

- Advanced 4Gb FC host interface supports the former 2Gb FC and 1Gb FC interface with no hardware modification request. The SATA II disk interface supports the most cost effective drive to lower TOC.

Smart I/O Path Management

- Just simple double-click installation, host-based PathGuard Software enables end-to-end I/O path failover & failback and dynamic I/O load balancing function to improve operation efficiency.



Technical Specifications

Host Channel	
Model No.	SA-4551S
Host Interface	4Gb FC
Data Transfer Rate	Up to 4Gb per port
Host Channel No.	2
External Connector Type	SFP x 2 (*1)

*1. SFP transceiver is not included.

Hardware	
Controller	Single
Controller CPU	AMCC PPC 440SP
Cache Memory	512-4096 DDR II (*2)
Disk Interface	SATA II
Disk Channel No.	12
Hot Swap Disk Tray	12x 3.5" swappable trays
Hot Swap Power Supply	350W x 2 redundant
AC Input Voltage	100 to 240V(+/- 10%), 47 to 63 Hz
Battery Backup	Yes (optional)
Hot Swap Fan Module	2 x Turbo Fan

*2. DDR RAM can be supported in x8 and x16 organizations. (x4 is not supported)

RAID Functions	
RAID Levels	JBOD, 0, 1, 3, 5, 6, 10, 30, 50, 60, RAID
RAID Features	Support multiple RAID levels and stripe sizes Support local hot spare and global hot spare Support A/V streaming (*3) performance profile with fast read response Support over-2TB volume Online background initialization Online RAID level and stripe size migration Online disk group defragmentation for free space consolidation Online capacity expansion and shrink Online drive traveling and array roaming Online array recovery
Advanced Data Reliability Assurance	SMARTCor. Function (DST, DS, DC) (*4)

*3. AV Streaming feature is special for video editing application demands.

*4. SMARTCor. Functions include Disk Self Test (DST), Disk Scrubbing (DS) and Disk Cloning (DC).

RAID Management	
Front Panel LCD and Buttons	Easy access for configuration and status report
RS-232 Terminal	Command Line Interface (CLI) for configuration and status report
GUI	Embedded Ethernet connection, web browser-based RAID management GUI for configuration and status monitoring
Event Notification	Built-in buzzer, e-mail, SNMP trap (*5), downloadable event records (up to 1024)

*5. Notification through e-mail or SNMP is supported by web browser-based GUI.

Management AP	
PathGuard Software	- Multiple paths to each device - End-to-end I/O path failover and fallback - Dynamic I/O load balancing
RAIDGuard Central	- Storage of complete event log records - Convenient event log export feature - Instant event log notification via MSN - Multiple platforms support
Windows VDS I. I	- http://msdn2.microsoft.com/en-us/library/aa381442.aspx

Environment Specification		Dimension and Weight	
Humidity	20% to 80% non-condensing	Physical Dimension	485(W) x 565(D) x 88(H) mm
Operating Temperature	5°C to 40°C 41°F to 104°F	Physical Weight (without drives)	19 Kgs
Non-operating Temperature	-25°C to 60°C -13°F to 140°F	Packed Dimension	610(W) x 790(D) x 430(H) mm
Safety Regulatory	UL, CUL, CB	Packed Weight (without drives)	28 Kgs
EMC Standard	FCC, CE, C-Tick, BSMI		

* Specifications and product offerings may vary without notice.

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